FIG. 1

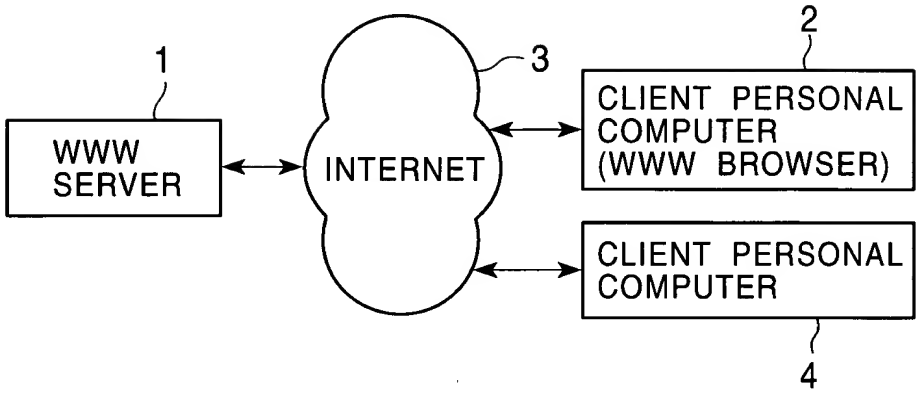
1
WWW SERVER
INTERNET
3
2
CLIENT PERSONAL COMPUTER (WWW BROWSER)
CLIENT PERSONAL COMPUTER
4

FIG. 2

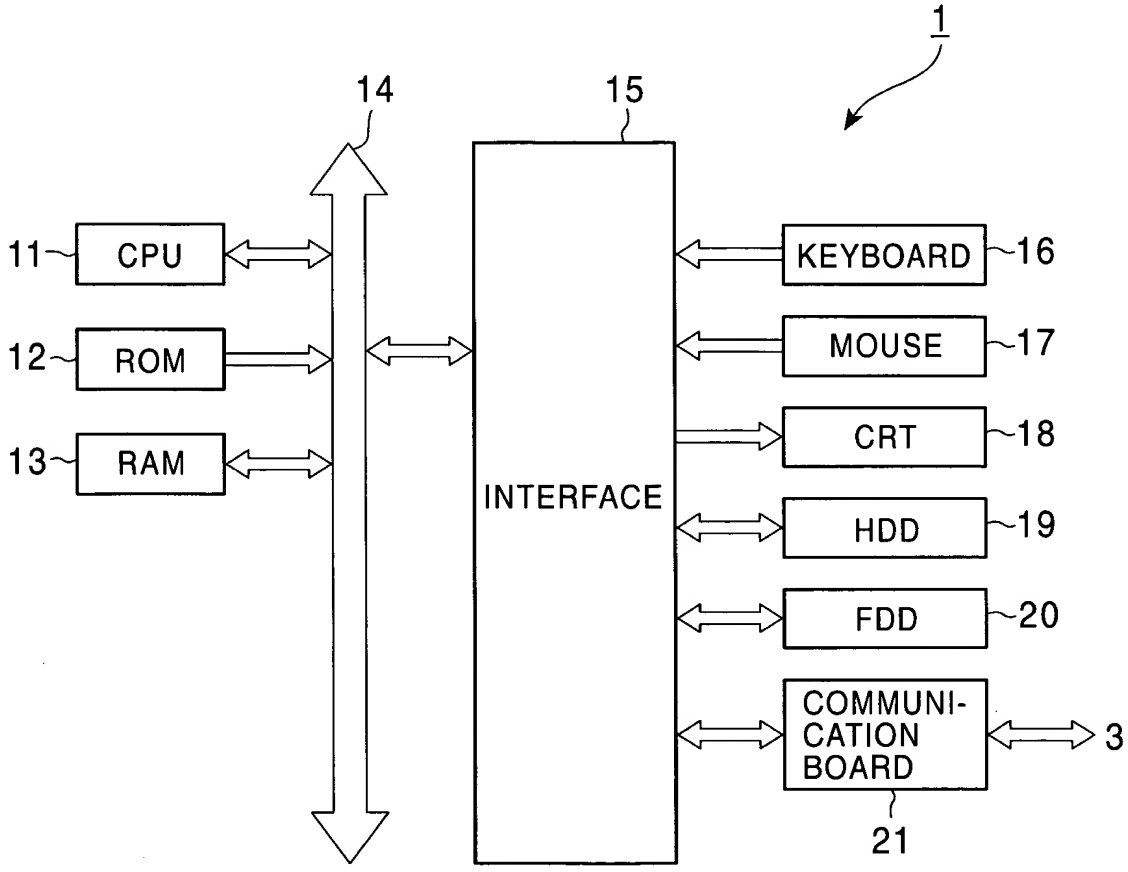
1
14
15
11
CPU
12
ROM
13
RAM
INTERFACE
KEYBOARD
16
MOUSE
17
CRT
18
HDD
19
FDD
20
COMMUNI-CATION BOARD
3
21

FIG. 5

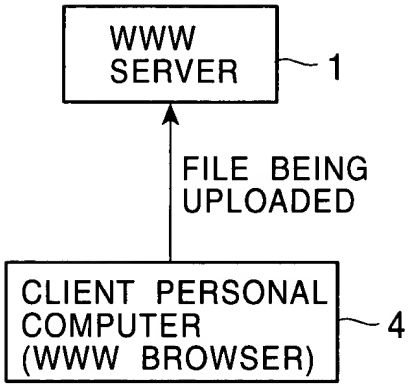
WWW SERVER
1
FILE BEING UPLOADED
CLIENT PERSONAL COMPUTER (WWW BROWSER)
4

FIG. 6

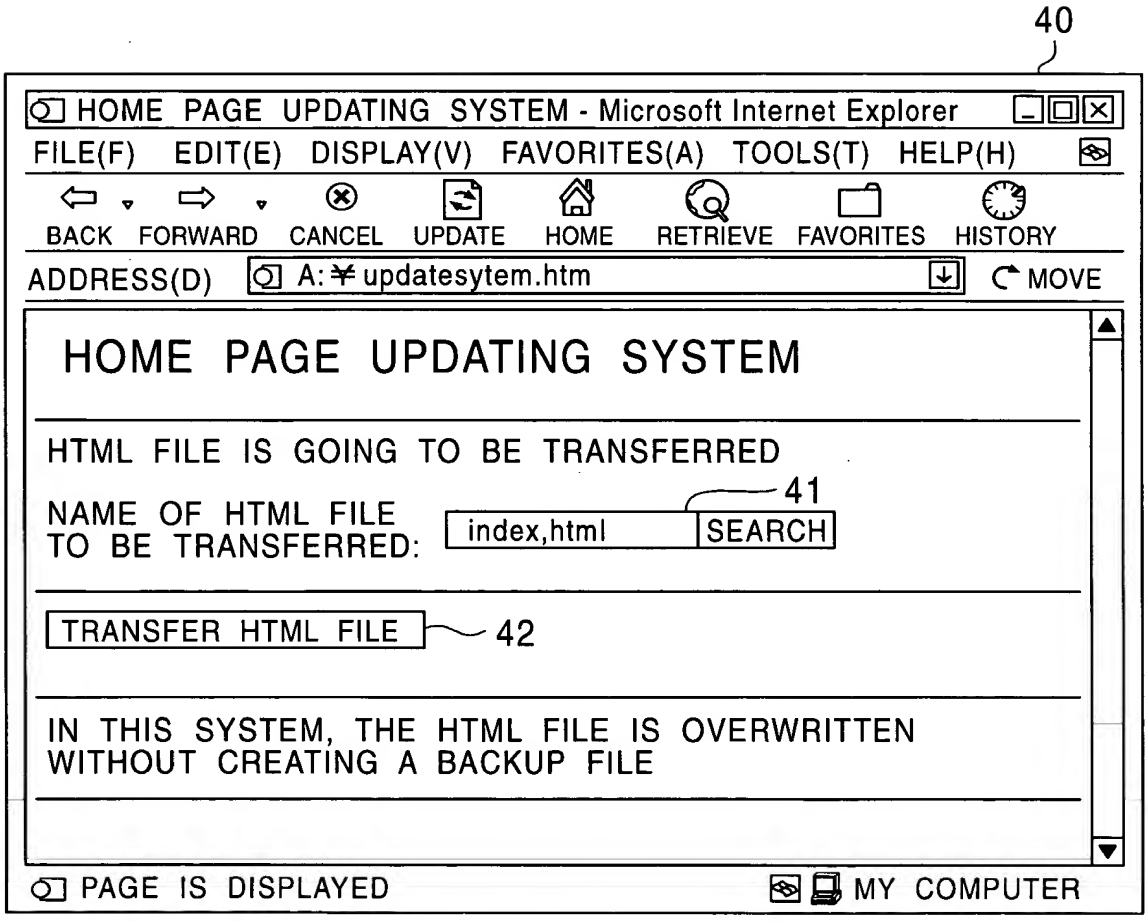
40
HOME PAGE UPDATING SYSTEM - Microsoft Internet Explorer
FILE(F) EDIT(E) DISPLAY(V) FAVORITES(A) TOOLS(T) HELP(H)
BACK FORWARD CANCEL UPDATE HOME RETRIEVE FAVORITES HISTORY
ADDRESS(D) A:¥updatesytem.htm
MOVE
HOME PAGE UPDATING SYSTEM
HTML FILE IS GOING TO BE TRANSFERRED
NAME OF HTML FILE TO BE TRANSFERRED:
41
index,html
SEARCH
TRANSFER HTML FILE
42
IN THIS SYSTEM, THE HTML FILE IS OVERWRITTEN WITHOUT CREATING A BACKUP FILE
PAGE IS DISPLAYED
MY COMPUTER

FIG. 5

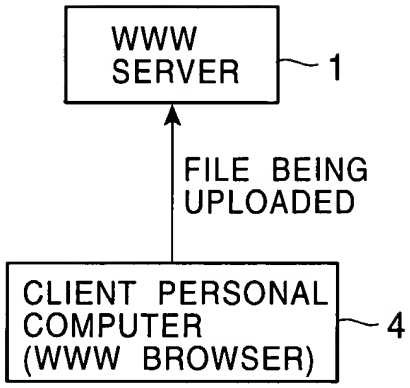
WWW SERVER
1
FILE BEING UPLOADED
CLIENT PERSONAL COMPUTER (WWW BROWSER)
4

FIG. 6

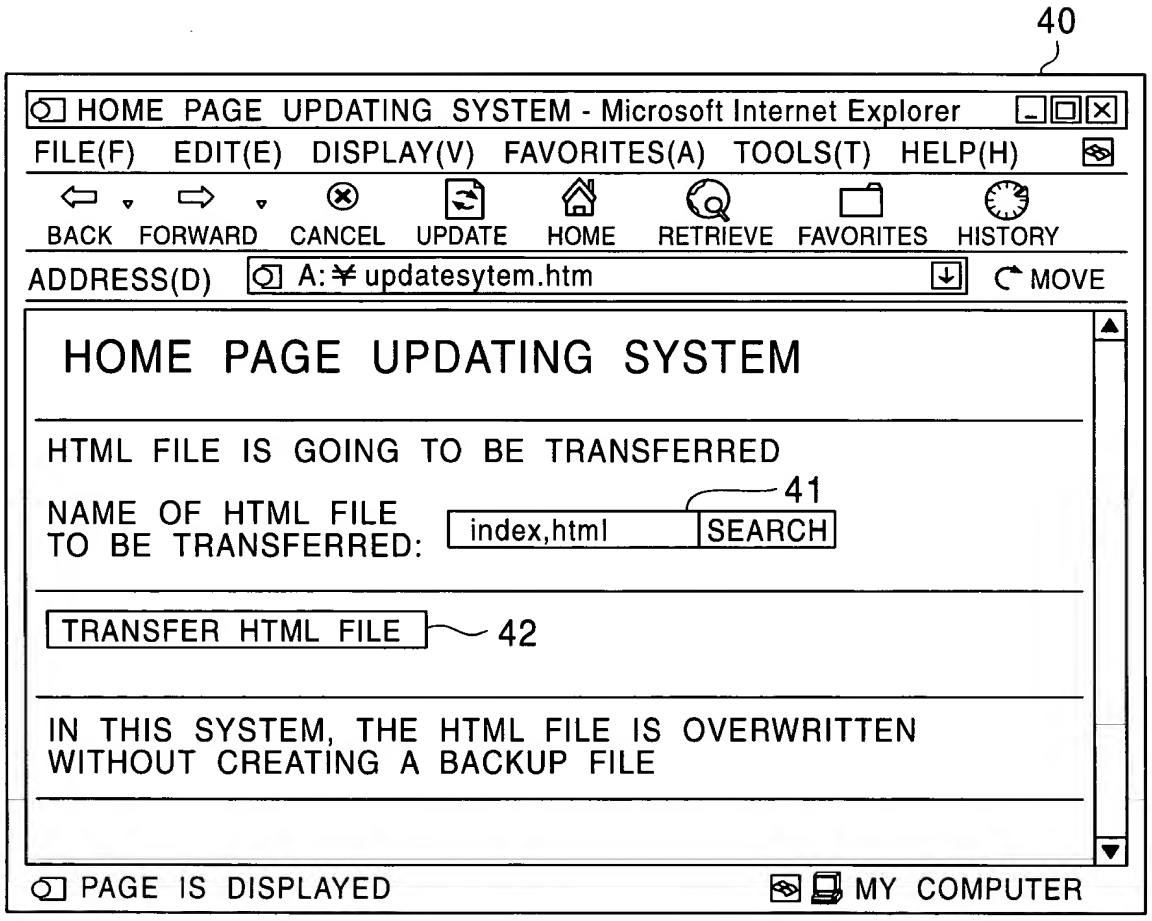
40
HOME PAGE UPDATING SYSTEM - Microsoft Internet Explorer
FILE(F) EDIT(E) DISPLAY(V) FAVORITES(A) TOOLS(T) HELP(H)
BACK FORWARD CANCEL UPDATE HOME RETRIEVE FAVORITES HISTORY
ADDRESS(D) A:¥updatesytem.htm
MOVE
HOME PAGE UPDATING SYSTEM
HTML FILE IS GOING TO BE TRANSFERRED
NAME OF HTML FILE TO BE TRANSFERRED:
41
index,html
SEARCH
TRANSFER HTML FILE
42
IN THIS SYSTEM, THE HTML FILE IS OVERWRITTEN WITHOUT CREATING A BACKUP FILE
PAGE IS DISPLAYED
MY COMPUTER

FIG. 8

```
<HTML>
<HEAD>
<TITLE>HOME PAGE UPDATING SYSTEM</TITLE>
</HEAD>
<BODY>
<H1>HOME PAGE UPDATING SYSTEM</H1>
<HR>
HTML FILE IS GOING TO BE TRANSFERRED<P>
<FROM ENCTYPE="multipart/form-data" ACTION="/cgi-bin/update.cgi" METHOD=POS
T>
NAME OF HTML FILE TO BE TRANSFERRED: <INPUT name=data type=file><P>
UPDATING DATE : <INPUT name=now type=radio > PRESENT < INPUT name=now  type=radio>FUTURE<P>
<HR>
ENTER THE UPDATING DATE IF IT IS A FUTURE TIME <P>
<INPUT TYPE="TEXT" NAME="year" VALUE="0000" SIZE=4>YEAR
<INPUT TYPE="TEXT" NAME="month" VALUE="00" SIZE=2>MONTH
<INPUT TYPE="TEXT" NAME="date" VALUE="00" SIZE=2>DAY
<INPUT type=submit value=TRANSFER HTML FILE><P>
</FROM>
<HR>
</BODY>
</HTML>
```

FIG. 8

```
<HTML>
<HEAD>
<TITLE>HOME PAGE UPDATING SYSTEM</TITLE>
</HEAD>
<BODY>
<H1>HOME PAGE UPDATING SYSTEM</H1>
<HR>
HTML FILE IS GOING TO BE TRANSFERRED<P>
<FROM ENCTYPE="multipart/form-data" ACTION="/cgi-bin/update.cgi" METHOD=POS
T>
NAME OF HTML FILE TO BE TRANSFERRED: <INPUT name=data type=file><P>
UPDATING DATE : <INPUT name=now type=radio > PRESENT < INPUT name=now  type=radio>FUTURE<P>
<HR>
ENTER THE UPDATING DATE IF IT IS A FUTURE TIME <P>
<INPUT TYPE="TEXT" NAME="year" VALUE="0000" SIZE=4>YEAR
<INPUT TYPE="TEXT" NAME="month" VALUE="00" SIZE=2>MONTH
<INPUT TYPE="TEXT" NAME="date" VALUE="00" SIZE=2>DAY
<INPUT type=submit value=TRANSFER HTML FILE><P>
</FROM>
<HR>
</BODY>
</HTML>
```

FIG. 9

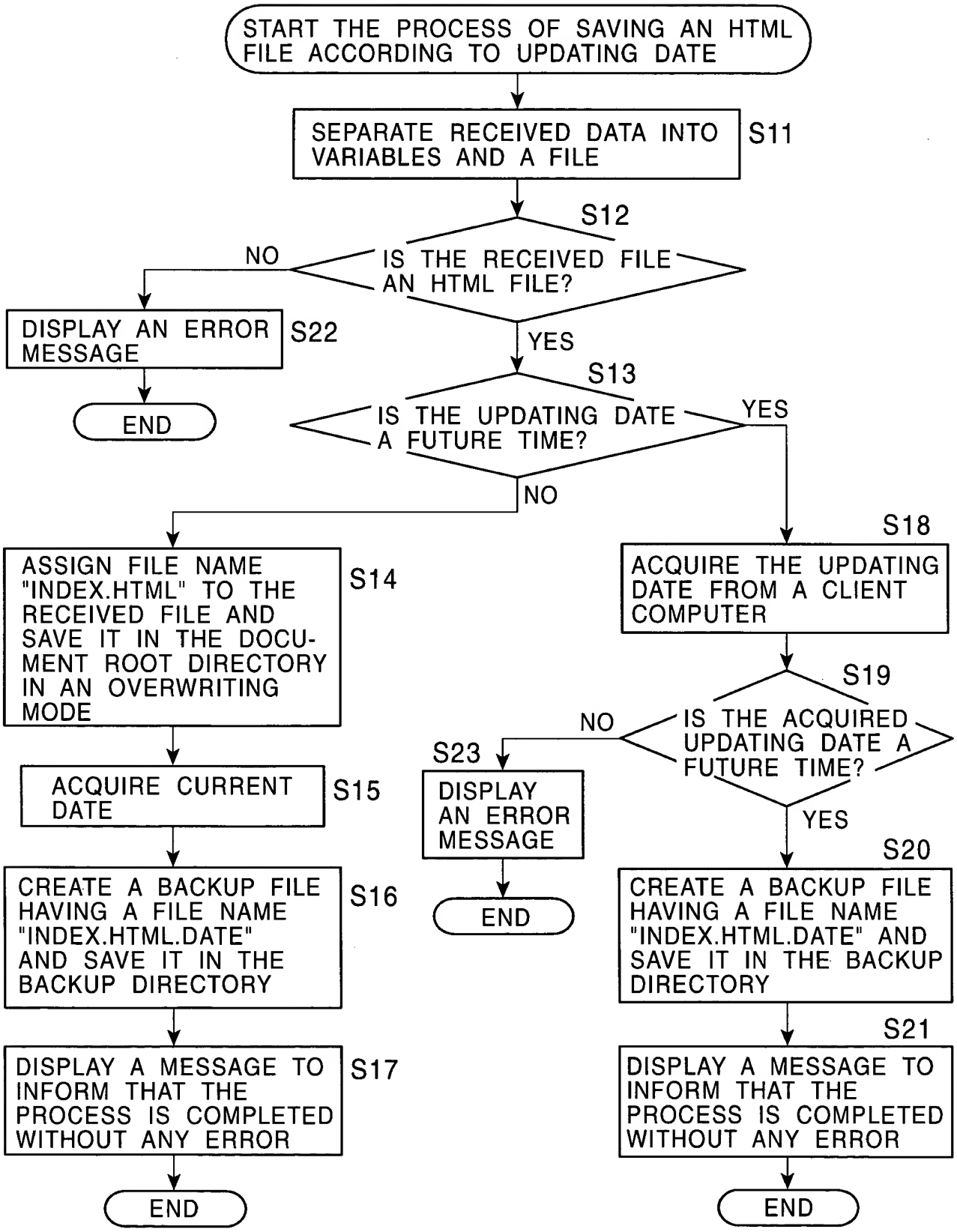
START THE PROCESS OF SAVING AN HTML FILE ACCORDING TO UPDATING DATE
SEPARATE RECEIVED DATA INTO VARIABLES AND A FILE
S11
S12
IS THE RECEIVED FILE AN HTML FILE?
NO
YES
DISPLAY AN ERROR MESSAGE
S22
END
S13
IS THE UPDATING DATE A FUTURE TIME?
YES
NO
ASSIGN FILE NAME "INDEX.HTML" TO THE RECEIVED FILE AND SAVE IT IN THE DOCUMENT ROOT DIRECTORY IN AN OVERWRITING MODE
S14
ACQUIRE CURRENT DATE
S15
CREATE A BACKUP FILE HAVING A FILE NAME "INDEX.HTML.DATE" AND SAVE IT IN THE BACKUP DIRECTORY
S16
DISPLAY A MESSAGE TO INFORM THAT THE PROCESS IS COMPLETED WITHOUT ANY ERROR
S17
END
S18
ACQUIRE THE UPDATING DATE FROM A CLIENT COMPUTER
S19
IS THE ACQUIRED UPDATING DATE A FUTURE TIME?
NO
YES
S23
DISPLAY AN ERROR MESSAGE
END
S20
CREATE A BACKUP FILE HAVING A FILE NAME "INDEX.HTML.DATE" AND SAVE IT IN THE BACKUP DIRECTORY
S21
DISPLAY A MESSAGE TO INFORM THAT THE PROCESS IS COMPLETED WITHOUT ANY ERROR
END

FIG. 10

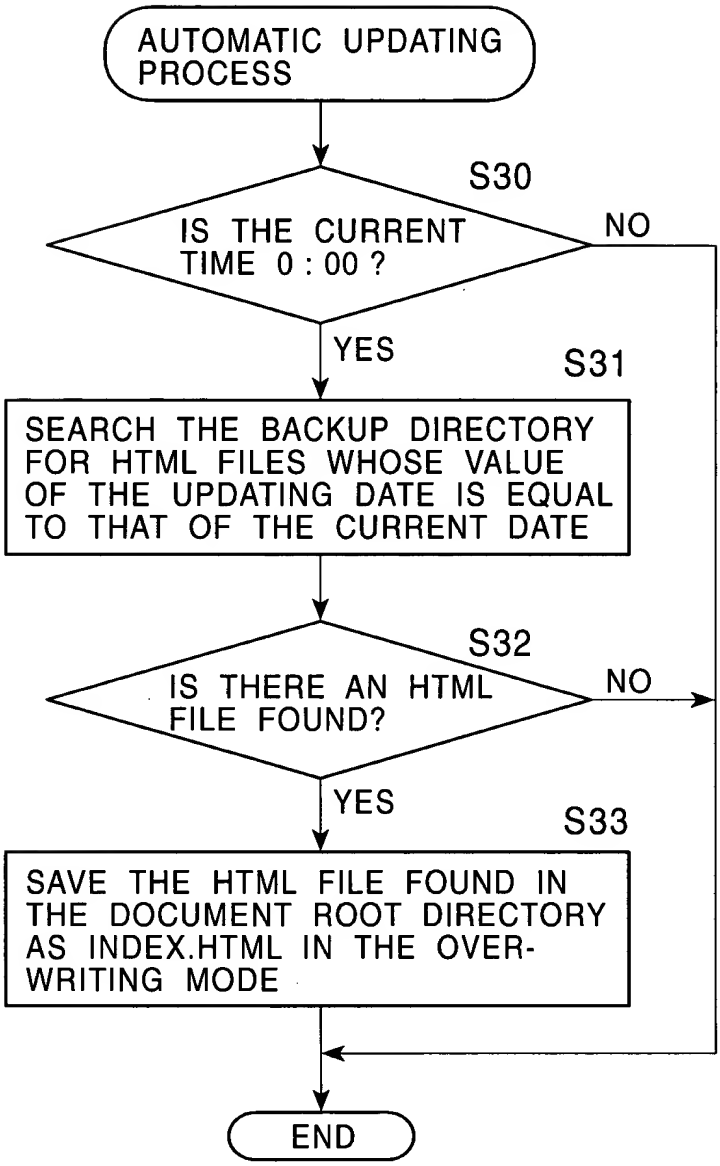
AUTOMATIC UPDATING PROCESS
S30
IS THE CURRENT TIME 0 : 00 ?
NO
YES
S31
SEARCH THE BACKUP DIRECTORY FOR HTML FILES WHOSE VALUE OF THE UPDATING DATE IS EQUAL TO THAT OF THE CURRENT DATE
S32
IS THERE AN HTML FILE FOUND?
NO
YES
S33
SAVE THE HTML FILE FOUND IN THE DOCUMENT ROOT DIRECTORY AS INDEX.HTML IN THE OVER-WRITING MODE
END

FIG. 11

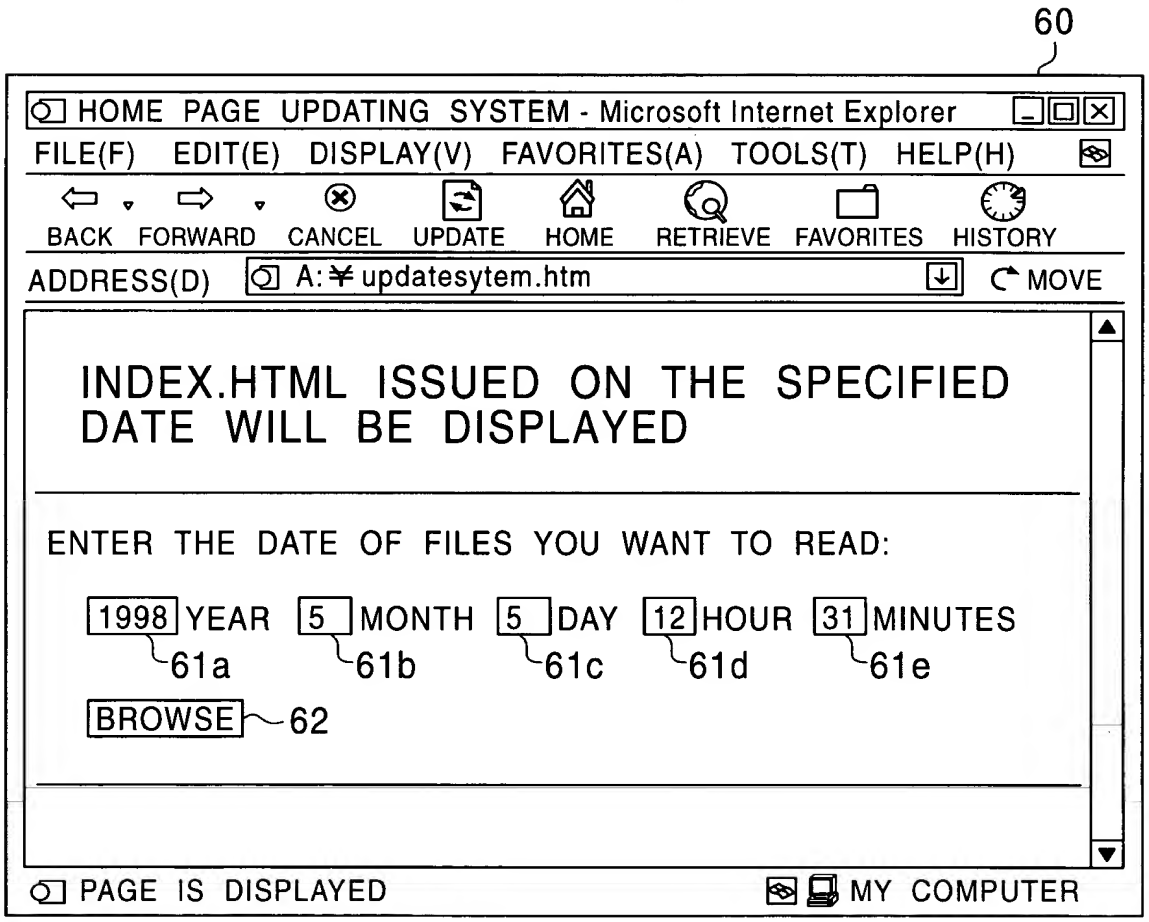
60
HOME PAGE UPDATING SYSTEM - Microsoft Internet Explorer
FILE(F) EDIT(E) DISPLAY(V) FAVORITES(A) TOOLS(T) HELP(H)
BACK FORWARD CANCEL UPDATE HOME RETRIEVE FAVORITES HISTORY
ADDRESS(D) A:¥updatesytem.htm MOVE
INDEX.HTML ISSUED ON THE SPECIFIED DATE WILL BE DISPLAYED
ENTER THE DATE OF FILES YOU WANT TO READ:
1998 YEAR 5 MONTH 5 DAY 12 HOUR 31 MINUTES
61a 61b 61c 61d 61e
BROWSE 62
PAGE IS DISPLAYED
MY COMPUTER

FIG. 12

```
<HTML>
<HEAD>
<TITLE>INDEX. HTML ISSUED ON THE SPECIFIED DATE WILL BE DISPLAYED</TITLE>
</HEAD>
<BODY>
<H1>INDEX. HTML ISSUED ON THE SPECIFIED DATE WILL BE DISPLAYED</H1>
<HR>
<FROM ACTION="/cgi-bin/pageview.cgi" METHOD=POST>
ENTER THE DATE OF FILES YOU WANT TO READ
<INPUT TYPE="TEXT" NAME="year" VALUE="0000" SIZE=4>YEAR
<INPUT TYPE="TEXT" NAME="month" VALUE="00" SIZE=2>MONTH
<INPUT TYPE="TEXT" NAME="date" VALUE="00" SIZE=2>DAY
<INPUT TYPE="TEXT" NAME="hour" VALUE="00" SIZE=2>HOUR
<INPUT TYPE="TEXT" NAME="minute" VALUE="00" SIZE=2>MINUTE<P>
<INPUT TYPE="submit" VALUE="BROWSE"><P>
</FROM>
<HR>
</BODY>
</HTML>
```

FIG. 13

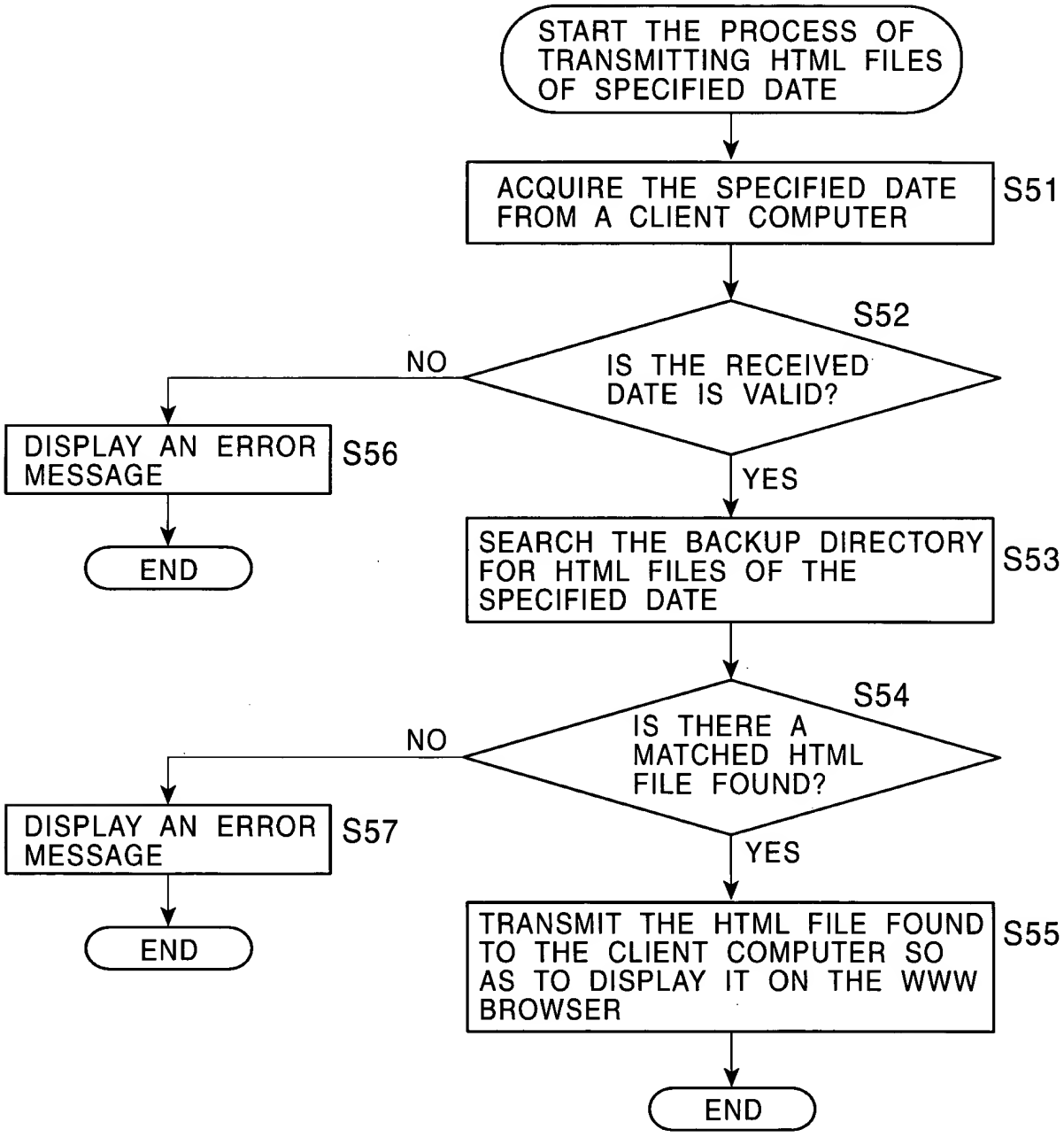
START THE PROCESS OF TRANSMITTING HTML FILES OF SPECIFIED DATE
ACQUIRE THE SPECIFIED DATE FROM A CLIENT COMPUTER
S51
S52
IS THE RECEIVED DATE IS VALID?
NO
YES
DISPLAY AN ERROR MESSAGE
S56
END
SEARCH THE BACKUP DIRECTORY FOR HTML FILES OF THE SPECIFIED DATE
S53
S54
IS THERE A MATCHED HTML FILE FOUND?
NO
YES
DISPLAY AN ERROR MESSAGE
S57
END
TRANSMIT THE HTML FILE FOUND TO THE CLIENT COMPUTER SO AS TO DISPLAY IT ON THE WWW BROWSER
S55
END

FIG. 14A

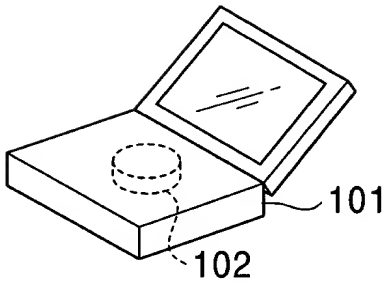

FIG. 14B

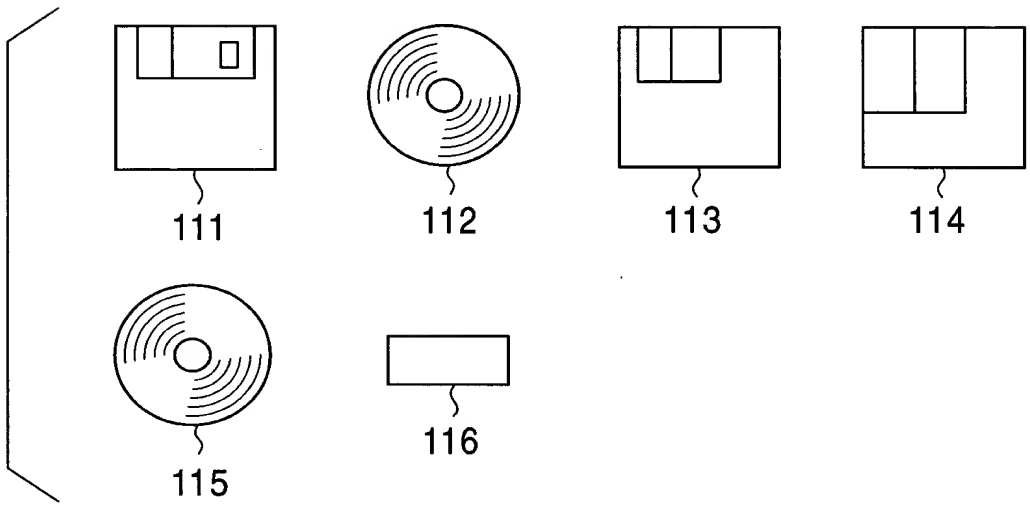
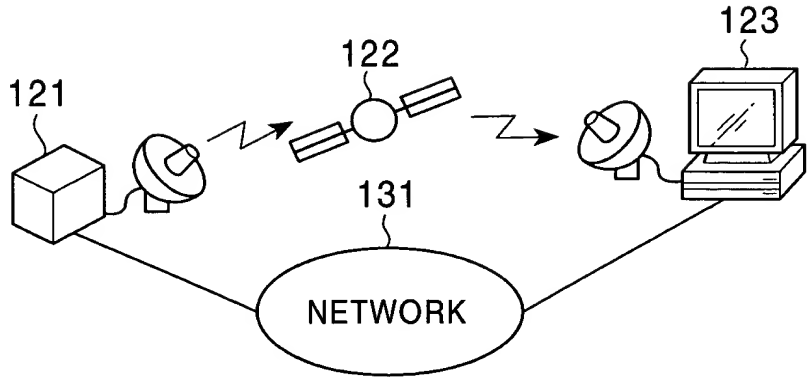
FIG. 14C